

ME COPY

PCT/US 03/23584

1/9

PCT REQUEST

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

0	For receiving Office use only	PCT/US 03/23584
0-1	International Application No.	
0-2	International Filing Date	28 JUL 2003 (28-07-03)
0-3	Name of receiving Office and "PCT International Application"	PCT INTERNATIONAL APPLICATION RO/US
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.04.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	SJ-02-0011PC
I	Title of Invention	DIAGNOSTIC AND THERAPEUTIC USES FOR PROX1
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	US only
II-4	Name	ST JUDE CHILDREN'S RESEARCH HOSPITAL
II-5	Address:	OFFICE OF TECHNOLOGY LICENSING 332 N LAUDERDALE ST MAILSTOP 0742 MEMPHIS, TN 38105 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	9014952342
II-9	Facsimile No.	9014953148
II-10	e-mail	scott.elmer@stjude.org
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	OLIVER, Guillermo
III-1-5	Address:	5259 KEATSWOOD COVE MEMPHIS, TN 38120 United States of America
III-1-6	State of nationality	UY
III-1-7	State of residence	US

PCT REQUEST

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	09 August 2002 (09.08.2002)
VI-1-2	Number	60/402,334
VI-1-3	Country	US
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	United States Patent and Trademark Office (USPTO) (ISA/US)
VIII	Declarations	Number of declarations
VIII-1	Declaration as to the identity of the inventor	-
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	1
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	1
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	1
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-

PCT REQUEST

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

VIII-2-1	Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate: Name:	in relation to this international application ST JUDE CHILDREN'S RESEARCH HOSPITAL is entitled to apply for and be granted a patent by virtue of the following:
VIII-2-1 (iv)		an assignment from OLIVER, GUILLERMO to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 09 August 2002 (09.08.2002)
VIII-2-1 (iv)		an assignment from WIGLE, JEFFREY to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 06 August 2002 (06.08.2002)
VIII-2-1 (iv)		an assignment from HARVEY, NATASHA to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 08 August 2002 (08.08.2002)
VIII-2-1 (ix)	This declaration is made for the purposes of:	all designations except the designation of the United States of America

PCT REQUEST

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

VIII-3-1	Declaration: Entitlement to claim priority Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)): Name:	in relation to this international application ST JUDE CHILDREN'S RESEARCH HOSPITAL is entitled to claim priority of earlier application No. 60/402,334 by virtue of the following:
VIII-3-1 (iv)		an assignment from OLIVER, GUILLERMO to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 09 August 2002 (09.08.2002)
VIII-3-1 (iv)		an assignment from WIGLE, JEFFREY to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 06 August 2002 (06.08.2002)
VIII-3-1 (iv)		an assignment from HARVEY, NATASHA to ST JUDE CHILDREN'S RESEARCH HOSPITAL, dated 08 August 2002 (08.08.2002)
VIII-3-1 (ix)	This declaration is made for the purposes of:	all designations

PCT REQUEST

SJ-02-0011PC


Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

VIII-4-1	<p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1 -1	Prior applications:	60/402,334, US, 09 August 2002 (09.08.2002)

PCT REQUEST

SJ-02-0011PC


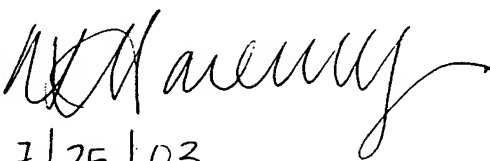
Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

		<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>
VIII-4-1 -1-1 VIII-4-1 -1-2 VIII-4-1 -1-3 VIII-4-1 -1-4 VIII-4-1 -1-5 VIII-4-1 -1-6	Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	OLIVER, GUILLERMO MEMPHIS, Tennessee 5259 KEATSWOOD COVE UY  7/25/03

PCT REQUEST

SJ-02-0011PC


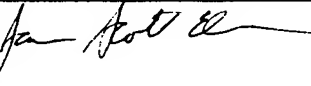
Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

VIII-4-1 -2-1 VIII-4-1 -2-2 VIII-4-1 -2-3 VIII-4-1 -2-4 VIII-4-1 -2-5 VIII-4-1 -2-6	Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	WIGLE, JEFFREY WINNIPEG, Canada 23 AVON GATE CA  22/7/2003
VIII-4-1 -3-1 VIII-4-1 -3-2 VIII-4-1 -3-3 VIII-4-1 -3-4 VIII-4-1 -3-5 VIII-4-1 -3-6	Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	HARVEY, NATASHA MEMPHIS, Tennessee 1434 RIVER ROCK PLACE APARTMENT 301 AU  7/25/03

PCT REQUEST

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	9	-
IX-2	Description	19	-
IX-3	Claims	2	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	0	-
IX-7	TOTAL	31	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-10	Original general power of attorney	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name	ST JUDE CHILDREN'S RESEARCH HOSPITAL	
X-1-2	Name of signatory	J. Scott Elmer	
X-1-3	Capacity	Director, Office of Technology Licensing	
X-2	Signature of applicant, agent or common representative		
X-2-1	Name (LAST, First)	ELMER, James	

FOR RECEIVING OFFICE USE ONLY

(28-07-03)

10-1	Date of actual receipt of the purported international application	DT14 Rec'd PCT/PTO 28 JUL 2003
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/US
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	--	--

PCT (ANNEX - FEE CALCULATION SHEET)

SJ-02-0011PC

Original (for **SUBMISSION**) - printed on 21.07.2003 02:47:03 PM

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.	PCT/US 03/23584		
0-2	Date stamp of the receiving Office	28 JUL 2003 (28.07.03)		
0-4	Form - PCT/RO/101 (Annex)			
0-4-1	PCT Fee Calculation Sheet Prepared using	PCT-EASY Version 2.92 (updated 01.04.2003)		
0-9	Applicant's or agent's file reference	SJ-02-0011PC		
2	Applicant	ST JUDE CHILDREN'S RESEARCH HOSPITAL, et al.		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (USD)	
12-1	Transmittal fee T	⇒	240	240
12-2-1	Search fee S	⇒	700	700
12-2-2	International search to be carried out by	US		
12-3	International fee			
	Basic fee (first 30 sheets) b1	476		476
12-4	Remaining sheets	1		
12-5	Additional amount (X) 12			12
12-6	Total additional amount b2	12		
12-7	b1 + b2 = B	488		488
12-8	Designation fees			
	Number of designations contained in international application	1		
12-9	Number of designation fees payable (maximum 5)	1		
12-10	Amount of designation fee (X) 104			104
12-11	Total designation fees D	104		104
12-12	PCT-EASY fee reduction R	-148		148
12-13	Total International fee (B+D-R) I	⇒	444	444
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	1,384	1384
12-19	Mode of payment	authorization to charge deposit account		
12-20	Deposit account instructions			
	The receiving Office:	United States Patent and Trademark Office (USPTO) (RO/US)		
12-20-1	Authorization to charge the total fees indicated above.	✓		
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	✓		
12-20-3	Authorization to charge the fee for priority document.	✓		
12-21	Deposit account No.	501968		

PCT (ANNEX - FEE CALCULATION SHEET)

SJ-02-0011PC

Original (for SUBMISSION) - printed on 21.07.2003 02:47:03 PM

12-22	Date	²⁸ 21 July 2003 (²⁸ 21.07.2003)
12-23	Name and signature	ST JUDE CHILDREN'S RESEARCH HOSPITAL <i>J. Scott Elmer</i> J. Scott Elmer, Director, Technology Licensing

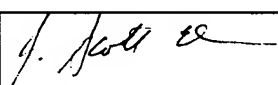
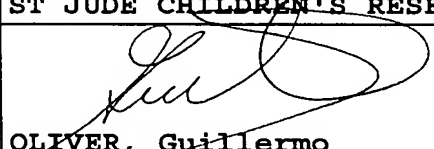
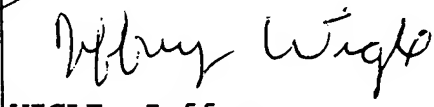
VALIDATION LOG AND REMARKS

13-2-2	Validation messages States	Green? More designations could be made. The following States have not been designated: AP:(GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW); EA:(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM); EP:(AT, BE, BG, CH, LI, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR); OA:(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG); AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, LI, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW. Please verify.
13-2-3	Validation messages Names	Yellow Applicant 1.: is indicated for the US designation but is not also indicated as inventor.
13-2-7	Validation messages Contents	Green? The international application contains no drawings. Please verify.
13-2-9	Validation messages Payment	Green? Please ensure that you have a valid deposit account with the receiving Office selected.

PCT POWER OF ATTORNEY

SJ-02-0011PC

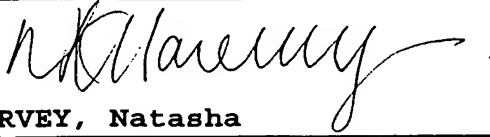
Printed on 21.07.2003 02:51:22 PM

0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared using	PCT-EASY Version 2.92 (updated 01.04.2003)
1	The undersigned applicant(s)	ST JUDE CHILDREN'S RESEARCH HOSPITAL; OLIVER, Guillermo; WIGLE, Jeffrey; HARVEY, Natasha
1-1-1	hereby appoints (appoint) the following person	ELMER, James ST JUDE CHILDREN'S RESEARCH HOSPITAL OFFICE OF TECHNOLOGY LICENSING 332 N. LAUDERDALE ST MAILSTOP 0742 MEMPHIS, TN 38105 United States of America
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of the invention	DIAGNOSTIC AND THERAPEUTIC USES FOR PROX1
1-4-2	Applicant's or agent's file reference	SJ-02-0011PC
1-4-3	International application number (if already available)	
1-4-4	filed with the following Office as receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)
1-5	and to make or receive payments on behalf of the undersigned.	
2-1	Signature of applicant	
2-1-1	Name	J. Scott Elmer, Director, Technology Licensing ST JUDE CHILDREN'S RESEARCH HOSPITAL
2-2	Signature of applicant	
2-2-1	Name	OLIVER, Guillermo
2-3	Signature of applicant	
2-3-1	Name	WIGLE, Jeffrey

PCT POWER OF ATTORNEY

SJ-02-0011PC

Printed on 21.07.2003 02:51:22 PM

2-4	Signature of applicant	
2-4-1	Name	HARVEY, Natasha
3	Date	21 July 2003 (21.07.2003)